

**Missouri Department of Health and Senior Services  
Hazardous Substances Emergency Events Surveillance (HSEES) Program  
2004 Prevention Outreach Plan**

**Prevention Activity #1: 2003 Annual Report**

**Target Groups:**

- Emergency medical response personnel
- Professional and volunteer firefighters
- Police departments
- Emergency management organizations
- Emergency first responders
- Health care providers
- Local public health agencies

**Type of Prevention Activity:**

- Primary – Increased awareness of hazardous substance emergency events will promote safer handling and will lead to more effective responses to hazardous releases.
- Secondary – Enhanced availability of data to responders, medical care providers, health agencies, and the general public will help these individuals minimize the morbidity and mortality that result from hazardous substance releases.

**Justification:**

Presently, a complete analysis of HSEES data is conducted over multiple year periods (i.e., 1994-1998 data analysis, 1999-2001 data analysis). Reports need to be completed on an annual basis to ensure that more timely information is made available to the target groups.

**Description of Activity:**

Information collected through HSEES during 2003 will be analyzed and incorporated into the Office of Surveillance's annual report of various diseases and conditions occurring throughout the state. This report will be publicized through the mailing of postcards to interested parties and will be made available on the Office of Surveillance's web site. This activity was conducted in 2002 but was not included as part of the 2002 Prevention Outreach Plan.

**Collaborators:**

- Other programs within the Office of Surveillance (i.e., Communicable Disease, HIV/AIDS/STD, Lead Screening, etc.).

**Effectiveness Measure:**

This activity will be considered effective if a decrease of 10 percent or more is noted statewide in the number of events and the number of injuries during calendar year 2003. The number of "hits" on the web site will also measure effectiveness. The number of collaborative relationships with the target groups listed should increase significantly as a result of this activity.

**Date Activity is to be Completed:** September 30, 2004

**Prevention Activity #2:** Quarterly Reports, 10 counties with highest number of events, 1999-2001

**Target Groups:**

- Emergency medical response personnel
- Professional and volunteer firefighters
- Police departments
- Emergency management organizations
- Emergency first responders
- Health care providers
- Local public health agencies

**Type of Prevention Activity:**

- Primary – Increased awareness of chemical hazards will promote safer handling and transportation procedures.
- Secondary – Information provided to emergency management officials, first responders, medical personnel, and health departments will enable them to minimize casualties and treat victims.

**Justification:**

This activity was conducted in 2000, 2001 and 2003. A survey was sent with the third quarter, 2001 report to determine how beneficial these reports are to the agencies that receive them, what information should be included that is not currently provided, what information is not considered helpful, and whether or not the majority of agencies feel this activity should be continued. A report of the survey results was included with the 2003 Prevention Outreach Plan.

**Description of Activity:**

Quarterly reports summarizing information such as the number of events per county, risk factors, and trends will be developed for the ten counties that have the highest five-year total for number of events. These reports will be distributed to the county emergency management director, Local Emergency Planning Commission (LEPC), county and local fire and police departments, area hospitals, local public health agencies, and other interested parties.

**Collaborators:**

Emergency management directors, county and local fire and police departments, area hospitals and local public health agencies in the identified counties will be encouraged to contact the HSEES program with information relating to hazardous substance emergency events. This will increase the number and types of reporting sources for surveillance information.

**Effectiveness Measure:**

This activity will be considered effective if a decrease of 10 percent or more is noted in the number of events by county during 2004 for the top 10 counties.

**Date Activity is to be Completed:** Each quarterly summary will be distributed within 30 days of the close of the reporting quarter, i.e., January-March due April 30; April-June due July 30; July-September due October 30; and October-December due January 30, 2005.

### **Prevention Activity #3: 2003 Event Summary Reports by County**

#### **Target Groups:**

- Responders
- Emergency management organizations
- Medical care providers
- Local public health agencies
- Facilities/employees
- Members of the general public

#### **Type of Prevention Activity:**

- Primary – Increased awareness of hazardous substance emergency events will promote safer handling and will lead to more effective responses to hazardous releases.
- Secondary – Enhanced availability of data to responders, medical care providers, health agencies, and the general public will help these individuals minimize the morbidity and mortality that result from hazardous substance releases.

#### **Justification:**

Quarterly reports have been developed and distributed to the ten counties with the highest number of events during calendar years 2000, 2001 and 2003. Individuals and agencies from counties not included in the top ten have expressed an interest in having this same type of data available to them. Because the HSEES program is staffed with only one person, it is not feasible to produce quarterly reports for all Missouri counties; however, it is possible to produce annual reports in order to distribute current information within each county.

#### **Description of Activity:**

Reports summarizing 2003 event data, such as the number of events per county, substances released, injuries, evacuations and “interesting events”, will be developed and will be made available to all target groups through the HSEES web site. Links to the reports will be included on the Department of Health’s “Community Data Profile” web page for each county.

#### **Collaborators:**

- Department of Public Safety (provided police and fire department data)
- Missouri Emergency Response Commission (provided emergency management organization data)
- Department of Labor and Industrial Relations (provided facility data for the survey mailing list)

#### **Effectiveness Measure:**

This activity will be considered effective if a decrease of 10 percent or more is noted statewide in the number of events and the number of injuries during calendar year 2003. The number of “hits” on the web site will also measure effectiveness. The number of collaborative relationships with the target groups listed should increase significantly as a result of this activity.

**Date Activity is to be Completed:** Within 60 days after the 2003 data is finalized by ATSDR.

**Prevention Activity #4:** Analyses of Transportation Events Due to Improper Loading and Forklift Puncture

**Target Groups:**

- Transportation companies doing business in Missouri

**Type of Prevention Activity:**

- Primary – increased awareness of the number and types of events occurring as a result of improper loading and forklift puncture, as well as recommendations for improved procedures, will lead to safer handling practices.

**Justification:**

During calendar years 2000-2002, 163 of the 344 (47.4%) events occurring at transport trucking terminals were caused by improper loading/unloading. Forklift punctures resulted in 86 of the 344 events (25.0%). During this time frame, almost \$135,000 in damages and lost product were incurred as a result of improper loading, and over \$83,000 in damages and lost product were incurred as a result of forklift puncture (*U.S. Department of Transportation, Hazardous Materials Information System, 2000-2002 Missouri data*). Employee work time lost during subsequent cleanup activities is not known, but would be expected to be considerable.

**Description of Activity:**

Analyses of events involving improper loading/unloading and events involving forklift puncture will be conducted during FFY'04. These analyses will be shared with major transportation companies operating in Missouri, as well as recommendations to reduce the number of events occurring in the future as a result of these errors.

**Collaborators:**

- U.S. Department of Transportation (HMIS data)

**Effectiveness Measure:**

These activities will be considered successful if the number of releases involving improper loading/unloading and forklift puncture decrease by 10% within two years after completion.

**Date Activity is to be Completed:** June 30, 2004